

ABSTRACT OF THE DISCLOSURE

In order to solve the problem in which voltages
Vsig1 read in units of rows have differences to cause
vertical shading, thereby degrading image quality, and
5 the problem in which the dynamic ranges of source
follower circuits are different in units of rows
because finite resistances are distributed in the power
supply lines, a photoelectric conversion apparatus
includes photoelectric conversion portions placed in a
10 plurality of rows, an amplification section including a
load section arranged in units of vertical output lines
to amplify signal charges accumulated in the
photoelectric conversion portions placed in a plurality
of rows, a vertical scanning section for sequentially
15 scanning signals amplified by the amplification section
to read the signals onto the vertical output lines, and
a horizontal scanning section for sequentially scanning
the signals amplified by the amplification section to
read the signals onto horizontal output lines, wherein
20 the load sections are located on a side vertically
opposite to the direction of signal output from the
amplification section.

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